

US 20150124770A1

## (19) United States

# (12) Patent Application Publication WANG et al.

### (10) **Pub. No.: US 2015/0124770 A1**

(43) **Pub. Date:** May 7, 2015

#### (54) BLIND DECODING

(71) Applicant: Nokia Solutions and Networks Oy,

Espoo (FI)

(72) Inventors: **Xiao Yi WANG**, Hoffman Estates, IL (US); **Frank Frederiksen**, Klarup (DK)

Assignee: Nokia Solutions and Networks Oy

(21) Appl. No.: 14/598,362

(22) Filed: Jan. 16, 2015

#### Related U.S. Application Data

(63) Continuation of application No. 13/792,430, filed on Mar. 11, 2013.

#### Publication Classification

(51) **Int. Cl. H04W 72/04** (2006.01)

(52) **U.S. CI.** CPC ...... *H04W 72/042* (2013.01)

(57) ABSTRACT

A method includes selecting, in a system in which a communication device searches for unscheduled transmissions of downlink control information for said communication device, a combination of search spaces for unscheduled transmissions of downlink control information for a communication device by a number of transmission techniques. The method includes transmitting an indication of the result of the selected combination to said communication device. Apparatus and program products are also disclosed.

